

```
tweise@weise-laptop:~$ python3
```

```
Python 3.10.12 (main, Nov 20 2023, 15:14:05) [GCC 11.4.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
```

```
>>> 1.7976931348623157e+308
```

1.7976931348623157e+308

```
>>> 1.7976931348623158e+308
```

1.7976931348623157e+308

```
>>> 1.7976931348623159e+308
```

inf

```
>>> -1.7976931348623159e+308
```

-inf

```
>>> -1.7976931348623157e+308 * 2
```

-inf

```
>>> 17 976 931 348 623 157 * 10 ** 292
```

[illegible]

```
>>> 17 976 931 348 623 157 * 10 ** 292 * 1.0
```

1.7976931348623157e+308

```
>>> 17 976 931 348 623 157 * 10 ** 293
```

[illegible]

```
>>> 17 976 931 348 623 157 * 10 ** 293 * 1.0
```

```
Traceback (most recent call last):
```

```
File "<stdin>", line 1, in <module>
```

```
OverflowError: int too large to convert to float
```

```
>>> from math import e, log
```

```
>>> log(1.7976931348623157e+308)
```

709.782712893384

```
>>> e ** 709.782712893384
```

1.7976931348622053e+308

```
>>> e ** 709.782712893385
```

```
>>> e = 109.782712895583
Traceback (most recent call last):
```

```
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
```

```
File <stdin>, line 1, in <module>
OverflowError: (34, 'Numerical result out of range')
```

```
>>> 1 / 1.7976931348623157e+308
```

```
>>> 1 / 1.797693134862  
5.56268464268003e- 309
```

```
>>> 1 / 1.7976931348623159e+308
```

>>>  
0.0

```
0.0
>>> from math import inf
```

```
>>> from math import inf
>>> inf == 1.7976931348623159e+308
```

```
>>> True
```

```
True
>>>
```